

Result No.	Query	Score	Match	Length	DB ID	Description
1	AAY66636	100.0	266	3	AAY66636	Aay66636 Membrane- Aai29028 Human PRO Aan39568 Human pol1
2	AAB65159	100.0	266	4	AAU28028	Aab65159 Human PRO Abh90338 Human pol1
3	AAM3568	100.0	266	4	AAM3568	Abg95851 Human sec Abg95851 Human sec
4	ABG95851	100.0	266	4	ABG95851	Abg958404 Human PRO Abu87952 Novel hum Abu84267 Human sec
5	ABG95851	100.0	266	5	ABG95851	Abu87952 Novel hum Abu84267 Human sec
6	ABU58404	100.0	266	6	ABU58404	Abu87952 Novel hum Abu84267 Human sec
7	ABU87952	100.0	266	6	ABU87952	Abu87952 Novel hum Abu84267 Human sec
8	ABU84267	100.0	266	6	ABU84267	Abu87952 Novel hum Abu84267 Human sec
9	ABR66141	100.0	266	6	ABR66141	Abu82710 Human PRO Abu89831 Novel hum
10	ABR65531	100.0	266	6	ABR65531	Abu89831 Novel hum Abu89831 Novel hum
11	ABU93471	100.0	266	6	ABU93471	Abu86080 Human sec Ad57044 Human PRO
12	ABU57974	100.0	266	6	ABU57974	Abu610483 Human sec Abu96133 Novel hum
13	ABU59052	100.0	266	6	ABU59052	Abu82564 Human sec Abu82564 Human sec
14	ABU8564	100.0	266	6	ABU8564	Abu92564 Human sec Abu92564 Human sec
15	ABU96133	100.0	266	6	ABU96133	Abu88641 Human sec Abu88641 Human sec
16	ABU92564	100.0	266	6	ABU92564	Abu02693 Human sec Abt74847 Human sec
17	ABU88641	100.0	266	6	ABU88641	Abt74847 Human sec Abt74847 Human sec
18	ABU02693	100.0	266	6	ABU02693	Abt74847 Human sec Abt74847 Human sec
19	ADA57044	100.0	266	6	ADA57044	Abu86080 Human sec Abu86080 Human sec
20	ABU16269	100.0	266	6	ABU16269	Abu91663 Novel hum Abu91663 Novel hum
21	ABU91663	100.0	266	6	ABU91663	Abu91663 Novel hum Abu91663 Novel hum
22	ABR78231	100.0	266	6	ABR78231	Abt74847 Novel hum Abt74847 Novel hum
23	ABR92169	100.0	266	6	ABR92169	Abt74847 Novel hum Abt74847 Novel hum
24	ABO16269	100.0	266	6	ABO16269	Abt74847 Novel hum Abt74847 Novel hum
25	ABO18810	100.0	266	6	ABO18810	Abt74847 Novel hum Abt74847 Novel hum

ALIGNMENTS

RESULT 1
AAY66636 standard; protein: 266 AA.

ID XX
AC AAY66636;
XX DT 05-APR-2000 (first entry)
XX DE Membrane-bound protein PRO180.
XX KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; gene mapping.
XX OS Homo sapiens.
XX PN W09963088-A2.
XX PD 09-DEC-1999.
XX PP 02-JUN-1999;
XX PP 02-JUN-1999; 99WO-US012252.
XX PR 02-JUN-1998;
PR 02-JUN-1998; 98US-0087603P.
PR 02-JUN-1998; 98US-0087753P.
PR 03-JUN-1998; 98US-0087822P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088031P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088203P.
PR 05-JUN-1998; 98US-0088211P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088741P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088730P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT 1
AAY66636 standard; protein: 266 AA.

ID XX
AC AAY66636;
XX DT 05-APR-2000 (first entry)
XX DE Membrane-bound protein PRO180.
XX KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; gene mapping.

OS Homo sapiens.

XX PN W09963088-A2.

XX PD 09-DEC-1999.

XX PP 02-JUN-1999;

XX PR 02-JUN-1998;

PR 02-JUN-1998; 98US-0087603P.

PR 02-JUN-1998; 98US-0087753P.

PR 03-JUN-1998; 98US-0087822P.

PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088030P.

PR 04-JUN-1998; 98US-0088031P.

PR 04-JUN-1998; 98US-0088326P.

PR 05-JUN-1998; 98US-0088167P.

PR 05-JUN-1998; 98US-0088203P.

PR 05-JUN-1998; 98US-0088211P.

PR 05-JUN-1998; 98US-0088217P.

PR 09-JUN-1998; 98US-0088655P.

PR 10-JUN-1998; 98US-0088741P.

PR 10-JUN-1998; 98US-0088742P.

PR 10-JUN-1998; 98US-0088730P.

PR 10-JUN-1998; 98US-0088734P.

PR 10-JUN-1998; 98US-0088738P.

PR 10-JUN-1998; 98US-0088740P.

PR 10-JUN-1998; 98US-0088811P.

PR 10-JUN-1998; 98US-0088824P.

PR 10-JUN-1998; 98US-0088825P.

Post-processing: Minimum Match 0\$
Maximum Match 100\$
Listing first 45 summaries

Database : A_Geneseq_23Sep04:*

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2: geneseq23Sep04:*

3: geneseq23Sep04:*

4: geneseq23Sep04:*

5: geneseq23Sep04:*

6: geneseq23Sep04:*

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8: geneseq23Sep04:*

Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0\$
Maximum Match 100\$
Listing first 45 summaries

Database : A_Geneseq_23Sep04:*

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Maximum Match 100\$
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Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0\$
Maximum Match 100\$
Listing first 45 summaries

Database : A_Geneseq_23Sep04:*

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Total number of hits satisfying chosen parameters: 2002273

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PR	11-JUN-1998;	98US-0088858P.
PR	11-JUN-1998;	98US-0088861P.
PR	11-JUN-1998;	98US-0088863P.
PR	11-JUN-1998;	98US-0088876P.
PR	12-JUN-1998;	98US-0088890P.
PR	12-JUN-1998;	98US-0089103P.
PR	16-JUN-1998;	98US-0089440P.
PR	16-JUN-1998;	98US-0089512P.
PR	16-JUN-1998;	98US-0089514P.
PR	17-JUN-1998;	98US-0089531P.
PR	17-JUN-1998;	98US-0089538P.
PR	17-JUN-1998;	98US-0089589P.
PR	17-JUN-1998;	98US-0089599P.
PR	17-JUN-1998;	98US-0089600P.
PR	18-JUN-1998;	98US-0089653P.
PR	18-JUN-1998;	98US-0089671P.
PR	18-JUN-1998;	98US-0089677P.
PR	18-JUN-1998;	98US-0089908P.
PR	19-JUN-1998;	98US-0089947P.
PR	19-JUN-1998;	98US-0089948P.
PR	19-JUN-1998;	98US-0089952P.
PR	22-JUN-1998;	98US-0090246P.
PR	22-JUN-1998;	98US-0090522P.
PR	22-JUN-1998;	98US-0090544P.
PR	23-JUN-1998;	98US-0090349P.
PR	23-JUN-1998;	98US-0090355P.
PR	24-JUN-1998;	98US-0090429P.
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PR	24-JUN-1998;	98US-0090435P.
PR	24-JUN-1998;	98US-0090444P.
PR	24-JUN-1998;	98US-0090445P.
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PR	24-JUN-1998;	98US-0090472P.
PR	24-JUN-1998;	98US-0090535P.
PR	24-JUN-1998;	98US-0090540P.
PR	25-JUN-1998;	98US-0090676P.
PR	25-JUN-1998;	98US-0090678P.
PR	25-JUN-1998;	98US-0090688P.
PR	25-JUN-1998;	98US-0090690P.
PR	25-JUN-1998;	98US-0090691P.
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PR	25-JUN-1998;	98US-009695P.
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PR	26-JUN-1998;	98US-0090864P.
PR	01-JUL-1998;	98US-0091358P.
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PR	02-JUL-1998;	98US-0091478P.
PR	02-JUL-1998;	98US-0091485P.
PR	02-JUL-1998;	98US-0091519P.
PR	02-JUL-1998;	98US-0091544P.
PR	02-JUL-1998;	98US-0091624P.
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PR	02-JUL-1998;	98US-0091633P.
PR	20-JUL-1998;	98US-0093339P.
PR	30-JUL-1998;	98US-0094515P.
PR	04-AUG-1998;	98US-0095282P.
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PR	04-AUG-1998;	98US-0095301P.
PR	04-AUG-1998;	98US-0095302P.
PR	04-AUG-1998;	98US-0095318P.
PR	04-AUG-1998;	98US-0095321P.
PR	04-AUG-1998;	98US-0095325P.
PR	10-AUG-1998;	98US-0095916P.

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Query Match      100.0%; Score 1392; DB 3; Length 266;
Best Local Similarity 100.0%; Pred. No. 3.9e-149;
Matches 266; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Y 1 MWWFOQCLSLPSLPSLWTSAAATPSYTAATLHHIDALPYTSIDTGTVAPEKCLFGAML 60
Y 1 MWWFOQCLSLPSLPSLWTSAAATPSYTAATLHHIDALPYTSIDTGTVAPEKCLFGAML 60
b 1 MWWFOQCLSLPSLPSLWTSAAATPSYTAATLHHIDALPYTSIDTGTVAPEKCLFGAML 60
b 1 MWWFOQCLSLPSLPSLWTSAAATPSYTAATLHHIDALPYTSIDTGTVAPEKCLFGAML 60

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RESULT 2
 AAU29028 standard; protein; 266 AA.
 ID AAU29028;
 AC AAU29028;
 DT 18-DEC-2001 (first entry)
 DB Human PRO polypeptide sequence #5.
 KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
 OS Homo sapiens.
 PN WO200168848-A2.
 PD 20-SEP-2001.
 PP 28-FEB-2001; 2001WO-US006520.
 XX
 PR 01-MAR-2000; 2000WO-US0105601.
 PR 02-MAR-2000; 2000WO-US0105811.
 PR 03-MAR-2000; 2000WO-US0105821.
 PR 04-MAR-2000; 2000US-0187202P.
 PR 05-MAR-2000; 2000US-0186968P.
 PR 14-MAR-2000; 2000US-0189320P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US0106894.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191311P.
 PR 28-MAR-2000; 2000US-0192655P.
 PR 29-MAR-2000; 2000US-0193032P.
 PR 30-MAR-2000; 2000US-0193053P.
 PR 04-APR-2000; 2000WO-US0068439.
 PR 04-APR-2000; 2000US-0194449P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US0137515.
 PR 22-MAY-2000; 2000WO-US0140421.
 PR 30-MAY-2000; 2000WO-US0149411.
 PR 02-JUN-2000; 2000WO-US0152244.

RESULT 2
 AAU29024-AAU29328 standard; protein; 266 AA.
 ID AAU29024;
 AC AAU29024;
 DT 18-DEC-2001 (first entry)
 DB Human PRO polypeptide sequence #5.
 KW PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders

RESULT 3
 ID AMM39568 standard; protein; 266 AA.
 AC AMM39568;
 DT 22-OCT-2001 (first entry)

XX	DE	Human polypeptide SEQ ID NO 2713.	Db	121 HVSGAVLTFQMGSLYMFQTLISYQMQKIHGQVFWRLLLVWCGVSALSHLTCSSVL 180
XX	KW	Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amytrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation; leukaemia.	Qy	181 HSGNGFTDLEQKLWNPDKGIVLHMITTAEWSMSFFGFLTYIRDFOKISLRYEAN 240
XX	KW		Db	181 HSGNGFTDLEQKLWNPDKGIVLHMITTAEWSMSFFGFLTYIRDFOKISLRYEAN 240
XX	KW		Qy	241 LRGITLYDTPAPCPINNERTLISRDI 266
XX	OS	Homo sapiens.	Db	241 LRGITLYDTPAPCPINNERTLISRDI 266
XX	PN	WO200153312-A1.		
XX	XX	26-JUL-2001.		
PD	26-DEC-2000;	2000WO-US034263.		
XX	XX	99US-00471275.		
PR	23-DEC-1999;	99US-0048825.		
PR	21-JAN-2000;	2000US-0048825.		
PR	25-APR-2000;	2000US-0052317.		
PR	20-JUN-2000;	2000US-0059842.		
PR	19-JUL-2000;	2000US-0062012.		
PR	03-AUG-2000;	2000US-0065350.		
PR	19-OCT-2000;	2000US-0066291.		
PR	29-NOV-2000;	2000US-00693036.		
XX	XX	2000US-0077344.		
PA	(HYSB) HYSEQ INC.			
XX	XX	WPI 2001-442255/47.		
PI	DR	N-PSD#; AAI58724.		
PI	XX	Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.		
PI	XX	Example 4: SEQ ID NO 2713; 1078pp; English.		
CC	CC	The invention relates to human nucleic acids (AAI57798-AM161369) and the encoded polypeptides (AM38642-AM42213) with nootropic, immunosuppressant and cytostatic activity. The polynucleotides are useful in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and Alzheimer's. Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification.		
CC	CC	Sequence 266 AA;		
CC	CC	Query Match 100.0%; Score 1392; DB 4; Length 266;		
CC	CC	Best Local Similarity 100.0%; Pred. No. 3.9e-149; Matches 266; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy	1	MWWFQQGISFLPSALVWTSAAFISVTAVLHHIDPALYISDGTVAPEKCLFGAML 60	PI	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Baton DL, Godowski PJ, Ferrara N, Fong S, Gerber H, Gerritsen ME, Godard A, Godowski PJ, Grimaldi CJ, Gurney AL, Kljavin NJ, Napier MA, Pan J, Paoni NF, Roy MA, Stewart TA, Thomas D, Watcanabe CK, Williams PM, Wood WI, Zhang Z;
Db	1	MWWFQQGISFLPSALVWTSAAFISVTAVLHHIDPALYISDGTVAPEKCLFGAML 60	PI	WPL; 2001-032160/04.
Qy	61	NIAAVLCAITIVRYKSYCHALSPPEENVTKLANKAGLYVGLSCLSLIVANFQFTLPA 120	DR	DR-N-PSDB; AAP44095.
Db	61	NIAAVLCAITIVRYKSYCHALSPPEENVTKLANKAGLYVGLSCLSLIVANFQFTLPA 120	PT	PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.
Qy	121	HYSGAVLTFQMGSLYMFQTLISYQMQKIHGQVFWRLLLVWCGVSALSHLTCSSVL 180	PT	

XX Claim 12; Pg 15; 935pp; English.

XX The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytotoxic activity. The PRO proteins can be used for targeted delivery of biotoxic molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF4470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44369 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention

XX Sequence 266 AA;

Query Match 100.0%; Score 1392; DB 4; Length 266;

Best Local Similarity 100.0%; Pred. No. 3.9e-19;

Matches 266; Conservative 0; Mismatches 0; Gaps 0;

Db 1 MWWQQGSFLPSALVINTSAAFFPSYTAVTLHHDIDALPYSIDTGTVAPEKCLFGAML 60

Db 1 MWWQQGSFLPSALVINTSAAFFPSYTAVTLHHDIDALPYSIDTGTVAPEKCLFGAML 60

Qy 61 NIAAVLCLATIIVYRYKQVHALSPENVITLKLNAKLVQGILSCLGILSVANFQKTTLFAA 120

Db 61 NIAAVLCLATIIVYRYKQVHALSPENVITLKLNAKLVQGILSCLGILSVANFQKTTLFAA 120

Qy 121 HVSGAVLTVFGMSLIMFVOTILSYQMPKIKHGQVFWVRLLLVWCGVSLNLTCSV 180

Db 121 HVSGAVLTVFGMSLIMFVOTILSYQMPKIKHGQVFWVRLLLVWCGVSLNLTCSV 180

Qy 181 HSGNFTGTDLBEQKLHWNPDKGYVLAHMTTAAEWSMSFPPGFLTYIRDFOKISLRYEAN 240

Db 181 HSGNFTGTDLBEQKLHWNPDKGYVLAHMTTAAEWSMSFPPGFLTYIRDFOKISLRYEAN 240

Qy 241 LHGIFTLYDTAPCPINNERTRLSRDI 266

Db 241 LHGIFTLYDTAPCPINNERTRLSRDI 266

RESULT 5

AB90338 ID AB90338 standard; protein; 266 AA.

XX ABB90338;

XX 24-MAY-2002 (first entry)

XX Human polypeptide SEQ ID NO 2714.

XX Cyrostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiparasitic; cardiotonic; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein. Homo sapiens.

XX WO200190304-A2.

XX 29-NOV-2001.

XX 18-MAY-2001; 2001WO-US016450.

XX 19-MAY-2000; 2000US-02055115P.

PA (HUMA-) HUMAN GENOME SCI INC.

XX

PI Birse CE, Rosen CA;
XX WPI; 2002-122018/16.
CC DR N-PSDB; ABL90747.

CC XX Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders.

CC XX Claim 11; SEQ ID NO 2714; 2081pp + Sequence Listing; English.

PS XX The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABL89040-ABL90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant)agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders, e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemia; (d) wound healing (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp://wipo.int/pub/published_pct_sequences

XX Sequence 266 AA;

Query Match 100.0%; Score 1392; DB 5;

Best Local Similarity 100.0%; Pred. No. 3.9e-149;

Matches 266; Conservative 0; Mismatches 0; Gaps 0;

Db 1 MWWQQGSFLPSALVINTSAAFFPSYTAVTLHHDIDALPYSIDTGTVAPEKCLFGAML 60

Db 1 MWWQQGSFLPSALVINTSAAFFPSYTAVTLHHDIDALPYSIDTGTVAPEKCLFGAML 60

Qy 61 NIAAVLCLATIIVYRYKQVHALSPENVITLKLNAKLVQGILSCLGILSVANFQKTTLFAA 120

Db 61 NIAAVLCLATIIVYRYKQVHALSPENVITLKLNAKLVQGILSCLGILSVANFQKTTLFAA 120

Qy 121 HVSGAVLTVFGMSLIMFVOTILSYQMPKIKHGQVFWVRLLLVWCGVSLNLTCSV 180

Db 121 HVSGAVLTVFGMSLIMFVOTILSYQMPKIKHGQVFWVRLLLVWCGVSLNLTCSV 180

Qy 181 HSGNFTGTDLBEQKLHWNPDKGYVLAHMTTAAEWSMSFPPGFLTYIRDFOKISLRYEAN 240

Db 181 HSGNFTGTDLBEQKLHWNPDKGYVLAHMTTAAEWSMSFPPGFLTYIRDFOKISLRYEAN 240

Qy 241 LHGIFTLYDTAPCPINNERTRLSRDI 266

Db 241 LHGIFTLYDTAPCPINNERTRLSRDI 266

RESULT 6

ABG95851 ID ABG95851 standard; protein; 266 AA.

XX AC ABG95851;

XX DT 10-DEC-2002 (first entry)

XX Human secreted/transmembrane protein PRO180.

XX DB Human; secreted protein; transmembrane protein; antirheumatic;

XX KW antiarthritic; osteopathic; sports-related joint problem;

XX KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.

XX OS Homo sapiens.

XX PN WO200190304-A2.

XX 29-NOV-2001.

XX 18-MAY-2001; 2001WO-US016450.

XX 19-MAY-2000; 2000US-02055115P.

PA (HUMA-) HUMAN GENOME SCI INC.

XX

PN	US2002119130-A1.	PR	10-NOV-2000;	2000WO-US030873.	
XX		PR	01-DEC-2000;	2000WO-US023748.	
PD	29-AUG-2002.	PR	20-DEC-2000;	2000WO-US034956.	
XX		PR	28-FEB-2001;	2001WO-US006520.	
PF	06-DEC-2001;	PR	01-MAR-2001;	2001WO-US006666.	
XX	2001US-00006867.	PR	30-MAY-2001;	2001WO-US017443.	
PR	29-OCT-1997;	97US-0053435P.	PR	01-JUN-2001;	2001WO-US017800.
PR	29-OCT-1997;	97US-0064215P.	PR	20-JUN-2001;	2001WO-US019692.
PR	22-APR-1998;	98US-0052797P.	PR	29-JUN-2001;	2001WO-US021066.
PR	29-APR-1998;	98US-00833495P.	PR	09-JUL-2001;	2001WO-US021735.
PR	15-MAY-1998;	98US-005579P.	XX		
PR	02-JUN-1998;	98US-008759P.	PA	(GETH) GENENTECH INC.	PA
PR	04-JUN-1998;	98US-0088021P.	XX		XX
PR	04-JUN-1998;	98US-0088029P.	PI	Baton DL, Filivaroff E,	PI
PR	04-JUN-1998;	98US-0088030P.	PI	Gerritsen ME,	PI
PR	10-JUN-1998;	98US-0088734P.	XX	Godowski RJ,	XX
PR	10-JUN-1998;	98US-0088740P.	XX	Wood WI;	XX
PR	10-JUN-1998;	98US-0088811P.	WPI	2002-731348/79.	WPI
PR	10-JUN-1998;	98US-0088824P.	DR	N-PPDB; ABS71378.	DR
PR	10-JUN-1998;	98US-0088825P.	XX		XX
PR	11-JUN-1998;	98US-0088863P.	PT	New isolated secreted and transmembrane PRO	PT
PR	12-JUN-1998;	98US-0089105P.	PT	modulating biological activity of a cell, or for treating	PT
PR	16-JUN-1998;	98US-0089141P.	PT	sports-related joint problems, osteoarthritis or rheumatoid arthritis.	PT
PR	17-JUN-1998;	98US-0089635P.	XX		XX
PR	19-JUN-1998;	98US-0089932P.	PS	Claim 20; Fig 2; 399pp; English.	PS
PR	22-JUN-1998;	98US-00900246P.	XX		XX
PR	24-JUN-1998;	98US-0090444P.	CC	The invention relates to an isolated secreted and transmembrane PRO	CC
PR	25-JUN-1998;	98US-0090568P.	CC	polypeptide having 80 % sequence identity to a sequence appearing as	CC
PR	25-JUN-1998;	98US-0090566P.	CC	AB95851-AB95934 or their associated signal peptide, or a sequence of	CC
PR	26-JUN-1998;	98US-0090832P.	CC	extracellular domain of the proteins with their associated signal peptide	CC
PR	02-JUL-1998;	98US-009168P.	CC	or lacking its associated signal peptide. Also included are the nucleic	CC
PR	10-AUG-1998;	98US-0096012P.	CC	acids encoding the proteins, vectors, host cells, fusion proteins and	CC
PR	17-AUG-1998;	98US-0096717P.	CC	antibodies which specifically bind to the proteins. The proteins are	CC
PR	18-AUG-1998;	98US-0096939P.	CC	suspected of containing an A, B, C or D polypeptide, by contacting the	CC
PR	18-AUG-1998;	98US-0096939P.	CC	sample with a polypeptide designated as E, F, G, H or I (or vice versa)	CC
PR	26-AUG-1998;	98US-0097594P.	CC	and determining the formation of a A/B, B/F, C/G, or D/I polypeptide	CC
PR	26-AUG-1998;	98US-0097971P.	CC	conjugate in the sample, where the formation of the conjugate is	CC
PR	01-SEP-1998;	98US-0097779P.	CC	indicative of the presence of an A, B, C or D polypeptide. The E, F, G,	CC
PR	10-SEP-1998;	98US-01099741P.	CC	H or I polypeptide is labeled with a detectable label or is attached to a	CC
PR	10-SEP-1998;	98US-01099763P.	CC	solid support. The proteins are useful for linking a bioactive molecule	CC
PR	10-SEP-1998;	98US-01099763P.	CC	to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,	CC
PR	17-SEP-1998;	98US-0099792P.	CC	H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.	CC
PR	10-SEP-1998;	98US-0109912P.	CC	The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,	CC
PR	10-SEP-1998;	98US-0099815P.	CC	or I, or antibodies against them are useful for modulating a biological	CC
PR	16-SEP-1998;	98US-01006527P.	CC	activity of a cell expressing a polypeptide designated as A, B, C or D or	CC
PR	16-SEP-1998;	98US-0100662P.	CC	O. B, F, G, H, or I. The cell is killed. The proteins are useful for	CC
PR	16-SEP-1998;	98US-0100683P.	CC	identifying agonists or antagonists, for the preparation of a medicament	CC
PR	17-SEP-1998;	98US-0101743P.	CC	proteins as molecular weight markers for protein electrophoresis	CC
PR	24-SEP-1998;	98US-0101743P.	CC	purposes, and as therapeutic agents for treating sports-related joint	CC
PR	17-SEP-1998;	98US-0100684P.	CC	problems, articular cartilage defects, osteoarthritis or rheumatoid	CC
PR	22-SEP-1998;	98US-0101279P.	CC	arthritis. Nucleic acids encoding the proteins are useful as	CC
PR	23-SEP-1998;	98US-0101475P.	CC	hybridisation probes, in chromosome and gene mapping, in the generation	CC
PR	24-SEP-1998;	98US-0101738P.	CC	of anti-sense RNA and DNA, for the preparation of the proteins, to	CC
PR	24-SEP-1998;	98US-0101743P.	CC	generate transgenic or knockout animals which are useful in the	CC
PR	30-SEP-1998;	98US-0102570P.	CC	development and screening of therapeutic useful reagents, for chromosome	CC
PR	06-OCT-1998;	98US-0103449P.	CC	identification, and in gene therapy. The antibody is useful as a	CC
PR	08-MAR-1999;	99WO-US0305028.	CC	therapeutic agent, in a diagnostic assay and for affinity purification of	CC
PR	14-MAY-1999;	99WO-US010733.	CC	the protein from recombinant cell culture natural sources. The present	CC
PR	02-JUN-1999;	99WO-US012252.	CC	invention represents a novel secreted or transmembrane protein of the	CC
PR	01-SEP-1999;	99WO-US020111.	CC		CC
PR	15-SEP-1999;	99WO-US021090.	CC		CC
PR	15-SEP-1999;	99WO-US021194.	CC		CC
PR	22-DEC-1999;	99WO-US030320.	CC		CC
PR	18-FEB-2000;	2000WO-US004341.	CC		CC
PR	22-FEB-2000;	2000WO-US004344.	CC		CC
PR	01-MAR-2000;	2000WO-US004344.	CC		CC
PR	30-MAR-2000;	2000WO-US008439.	CC		CC
PR	22-MAY-2000;	2000WO-US014042.	CC		CC
PR	02-JUN-2000;	2000WO-US015244.	CC		CC
PR	23-AUG-2000;	2000WO-US023528.	CC		CC
SQ	Sequence 266 AA;	Sequence Match	Score 1392;	DB 5;	
SQ		Best Local Similarity	100.0%	Length 266;	
SQ		Matches 266;	Conservative 0;	Indels 0;	
SQ		Mismatches 0;	Score 100.0%	DB 5;	

Qy 1 MWFQOGLSFLPSALVITSAAPIFSYITAVTLHIDPALPYISDGTVAPEPKCLFGAML 60
 Db 1 MWFQOGLSFLPSALVITSAAPIFSYITAVTLHIDPALPYISDGTVAPEPKCLFGAML 60
 Qy 61 NIAAVLCAITIYRYKQTHALSPBEENVIKLNKAGLVLGILSCLGLSIVANFQKTTLFAA 120
 Db 61 NIAAVLCAITIYRYKQTHALSPBEENVIKLNKAGLVLGILSCLGLSIVANFQKTTLFAA 120
 Qy 121 HVSGAVLTFGMGSYLMFQTLISYQMQKIRGKQVFNTLILVTCGVSAISMLTCSSVL 180
 Db 121 HVSGAVLTFGMGSYLMFQTLISYQMQKIRGKQVFNTLILVTCGVSAISMLTCSSVL 180
 Qy 181 HSGNFGTDLDEQKLHWNPBKGTVLHMTTAEWSMSFIFGGFELTYRDFOKISLRYEAN 240
 Db 181 HSGNFGTDLDEQKLHWNPBKGTVLHMTTAEWSMSFIFGGFELTYRDFOKISLRYEAN 240
 Qy 241 LHGLTLYDTPAPCPINNESTRRLSRDI 266
 Db 241 LHGLTLYDTPAPCPINNESTRRLSRDI 266
 Qy 241 LHGLTLYDTPAPCPINNESTRRLSRDI 266
 Db 241 LHGLTLYDTPAPCPINNESTRRLSRDI 266

RESULT 7

ID ABU58404 standard; protein; 266 AA.
 XX AC ABU58404;
 XX AC ABU58404;
 XX DT 15-APR-2003 (first entry)
 DB Human PRO polypeptide #5.
 XX Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
 KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;
 KW antibody-dependent enzyme mediated prodrug therapy.
 XX OS Homo sapiens.
 PN US2003027272-A1.
 XX PD 06-FEB-2003.
 XX PR 21-JUN-2002; 2002US-00176492.
 PR 18-SEP-1997; 97US-0059263P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 17-OCT-1997; 97US-0062250P.
 PR 21-OCT-1997; 97US-0063486P.
 PR 24-OCT-1997; 97US-0063120P.
 PR 24-OCT-1997; 97US-0063120P.
 PR 28-OCT-1997; 97US-0063540P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 29-OCT-1997; 97US-0063734P.
 PR 31-OCT-1997; 97US-0063870P.
 PR 31-OCT-1997; 97US-0064103P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066120P.
 PR 24-NOV-1997; 97US-0066466P.
 PR 24-NOV-1997; 97US-0066772P.
 PR 11-DEC-1997; 97US-0069335P.
 PR 11-DEC-1997; 97US-0069425P.
 PR 12-DEC-1997; 97US-0069425P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 18-DEC-1997; 97US-0066120P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
 PR 11-MAR-1998; 98US-0077649P.
 PR 20-MAR-1998; 98US-0077886P.
 PR 20-MAR-1998; 98US-0078939P.
 PR 27-MAR-1998; 98US-0079664P.
 PR 27-MAR-1998; 98US-0079786P.
 PR 31-MAR-1998; 98US-0080107P.
 PR 31-MAR-1998; 98US-0080194P.

PR 01-APR-1998; 98US-0080327P.
 PR 01-APR-1998; 98US-008033P.
 PR 08-APR-1998; 98US-008104P.
 PR 08-APR-1998; 98US-008107P.
 PR 09-APR-1998; 98US-0081195P.
 PR 15-APR-1998; 98US-0081838P.
 PR 21-APR-1998; 98US-0082668P.
 PR 21-APR-1998; 98US-0082569P.
 PR 22-APR-1998; 98US-0082704P.
 PR 22-APR-1998; 98US-0082797P.
 PR 22-APR-1998; 98US-0083122P.
 PR 29-APR-1998; 98US-0083405P.
 PR 29-APR-1998; 98US-0083496P.
 PR 29-APR-1998; 98US-0083599P.
 PR 29-APR-1998; 98US-0083559P.
 PR 05-MAY-1998; 98US-0084166P.
 PR 06-MAY-1998; 98US-0084414P.
 PR 07-MAY-1998; 98US-0084639P.
 PR 07-MAY-1998; 98US-0084640P.
 PR 07-MAY-1998; 98US-0084643P.
 PR 15-MAY-1998; 98US-0085519P.
 PR 15-MAY-1998; 98US-0085510P.
 PR 15-MAY-1998; 98US-0085282P.
 PR 15-MAY-1998; 98US-0085700P.
 PR 18-MAY-1998; 98US-0086033P.
 PR 22-MAY-1998; 98US-0086392P.
 PR 22-MAY-1998; 98US-0086486P.
 PR 28-MAY-1998; 98US-0087098P.
 PR 28-MAY-1998; 98US-0087208P.
 PR 02-JUN-1998; 98US-0087669P.
 PR 02-JUN-1998; 98US-0087759P.
 PR 03-JUN-1998; 98US-0087827P.
 PR 04-JUN-1998; 98US-0088055P.
 PR 04-JUN-1998; 98US-0088058P.
 PR 04-JUN-1998; 98US-0088029P.
 PR 04-JUN-1998; 98US-0088033P.
 PR 04-JUN-1998; 98US-0088126P.
 PR 05-JUN-1998; 98US-0088167P.
 PR 05-JUN-1998; 98US-0088202P.
 PR 05-JUN-1998; 98US-0088212P.
 PR 05-JUN-1998; 98US-0088217P.
 PR 09-JUN-1998; 98US-0088655P.
 PR 10-JUN-1998; 98US-0088722P.
 PR 10-JUN-1998; 98US-0088740P.
 PR 10-JUN-1998; 98US-0088811P.
 PR 10-JUN-1998; 98US-0088824P.
 PR 10-JUN-1998; 98US-008885P.
 PR 10-JUN-1998; 98US-0088846P.
 PR 11-JUN-1998; 98US-0088861P.
 PR 11-JUN-1998; 98US-0088833P.
 PR 11-JUN-1998; 98US-0088876P.
 PR 11-JUN-1998; 98US-0089050P.
 PR 12-JUN-1998; 98US-0089105P.
 PR 12-JUN-1998; 98US-008908P.
 PR 19-JUN-1998; 98US-0089922P.
 PR 22-JUN-1998; 98US-0089514P.
 PR 24-JUN-1998; 98US-009046P.
 PR 24-JUN-1998; 98US-0090232P.
 PR 22-JUN-1998; 98US-0090535P.
 PR 22-JUN-1998; 98US-0090254P.
 PR 24-JUN-1998; 98US-0089633P.
 PR 24-JUN-1998; 98US-0090435P.
 PR 24-JUN-1998; 98US-0090444P.
 PR 24-JUN-1998; 98US-0090451P.
 PR 24-JUN-1998; 98US-0090535P.
 PR 25-JUN-1998; 98US-0090676P.
 PR 25-JUN-1998; 98US-0090678P.
 PR 25-JUN-1998; 98US-0090688P.

PR	25-JUN-1998;	98US-0090690P.	PR	02-OCT-1998;	98US-0102965P.
PR	25-JUN-1998;	98US-0090694P.	PR	06-OCT-1998;	98US-010328P.
PR	25-JUN-1998;	98US-0090695P.	PR	06-OCT-1998;	98US-010345P.
PR	25-JUN-1998;	98US-0090696P.	PR	07-OCT-1998;	98US-0016898.
PR	26-JUN-1998;	98US-0091054P.			
PR	26-JUN-1998;	98US-0090862P.	Query	Match	100.0%;
PR	26-JUN-1998;	98US-0090863P.	Best Local Similarity	100.0%;	Score 1392;
PR	01-JUL-1998;	98US-0091010P.	Matches 266;	Conservative 0;	DB 6;
PR	01-JUL-1998;	98US-0091359P.	Indels 0;	Gaps 0;	Length 266;
PR	01-JUL-1998;	98US-0091544P.	Qy	1 MWPFQQGISFLPSALAVIWTSAFISVITATLHIDPALPYSIDGTVAPEPKLFGAML.	60
PR	02-JUL-1998;	98US-0091478P.	Db	1 MWPFQQGISFLPSALAVIWTSAFISVITATLHIDPALPYSIDGTVAPEPKLFGAML.	60
PR	02-JUL-1998;	98US-0091486P.	Qy	61 NIAAVLCHATIVYRKQVHALSPEVENTIKINKAGLVGLGILSCLG1SIVANFQKTTLFAA.	120
PR	02-JUL-1998;	98US-0091626P.	Db	61 NIAAVLCHATIVYRKQVHALSPEVENTIKINKAGLVGLGILSCLG1SIVANFQKTTLFAA.	120
PR	02-JUL-1998;	98US-0091628P.	Qy	121 HVSGAVLTFGMGSLYMPVQITLSYQOMPKHQVFWIRLILIVWCGVSALSMLTCSVVL.	180
PR	02-JUL-1998;	98US-0091629P.	Db	121 HVSGAVLTFGMGSLYMPVQITLSYQOMPKHQVFWIRLILIVWCGVSALSMLTCSVVL.	180
PR	02-JUL-1998;	98US-0091632P.	Qy	181 HSGNFGTDLDEQKLHNPEDKGYVLIIMITTAELWSMSFSPFGFLITYRDFOKISLRVEAN.	240
PR	02-JUL-1998;	98US-0094006P.	Db	181 HSGNFGTDLDEQKLHNPEDKGYVLIIMITTAELWSMSFSPFGFLITYRDFOKISLRVEAN.	240
PR	04-AUG-1998;	98US-0095282P.	Qy	181 HSGNFGTDLDEQKLHNPEDKGYVLIIMITTAELWSMSFSPFGFLITYRDFOKISLRVEAN.	240
PR	10-AUG-1998;	98US-0095998P.	Db	181 HSGNFGTDLDEQKLHNPEDKGYVLIIMITTAELWSMSFSPFGFLITYRDFOKISLRVEAN.	240
PR	10-AUG-1998;	98US-0096012P.	Qy	241 LHGLTYDTAPCPINNERTLLSIDI.	266
PR	17-AUG-1998;	98US-0096757P.	Db	241 LHGLTYDTAPCPINNERTLLSIDI.	266
PR	17-AUG-1998;	98US-0096766P.			
PR	17-AUG-1998;	98US-0096867P.	RESULT 8		
PR	17-AUG-1998;	98US-0096891P.	ID	ABU87952	
PR	17-AUG-1998;	98US-0096897P.	ID	ABU87952	standard; protein; 266 AA.
PR	18-AUG-1998;	98US-0096949P.	AC	ABU87952;	
PR	18-AUG-1998;	98US-0096959P.	XX		
PR	18-AUG-1998;	98US-0097154P.	XX		
PR	26-AUG-1998;	98US-0097952P.	XX		
PR	26-AUG-1998;	98US-0097955P.	XX		
PR	26-AUG-1998;	98US-0097971P.	XX		
PR	26-AUG-1998;	98US-0097974P.	XX		
PR	26-AUG-1998;	98US-0098014P.	XX		
PR	01-SEP-1998;	98US-0098716P.	XX		
PR	01-SEP-1998;	98US-0098723P.	XX		
PR	02-SEP-1998;	98US-0098803P.	XX		
PR	02-SEP-1998;	98US-0098821P.	XX		
PR	02-SEP-1998;	98US-0098824P.	XX		
PR	09-SEP-1998;	98US-0098843P.	XX		
PR	09-SEP-1998;	98US-0099602P.	XX		
PR	10-SEP-1998;	98US-0099741P.	XX		
PR	10-SEP-1998;	98US-0099754P.	XX		
PR	10-SEP-1998;	98US-0099763P.	XX		
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PR	17-JUN-1998;	98US-0089538P.	98US-0101471P.
PR	17-JUN-1998;	98US-0089598P.	98US-0101471P.
PR	17-JUN-1998;	98US-0089653P.	98US-0101471P.
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 Matches 266; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 1 MWIFQQGLSFLPSALVITMSAATPSYTATVTLHHDIPALPYTSDPCTVAPRKCLFGAML 60
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 Db 61 NIAAVLCLATIVYRYKOVHALSPEENTVTKLNKAGLVGLISCLGSLISIVANFQTTLFAA 120
 Qy 121 HYSGAVLTFGCMSSLYMVTQITLSYQONCPKINGKQTVWIRLILVINGVSALSMLTCSSYL 180
 Db 121 HYSGAVLTFGCMSSLYMVTQITLSYQONCPKIGKQTVWIRLILVINGVSALSMLTCSSYL 180
 Qy 181 HSGNFGTDLDEQKLHWNEDKGYVLAMITTAABWSMSFSPFGFFLTYTIRDQKTSLRVEAN 240
 Db 181 HSGNFGTDLDEQKLHWNEDKGYVLAMITTAABWSMSFSPFGFFLTYTIRDQKTSLRVEAN 240
 Qy 241 LHGLTLYDTAPCPINNERTRLSRDI 266
 Db 241 LHGLTLYDTAPCPINNERTRLSRDI 266

RESULT 9
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 DT 02-AUG-2003 (first entry)
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 DE Human secreted/transmembrane protein (PRO) #5.
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 KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
 KW tissue typing.
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 Homo sapiens.
 XX
 PN US2003032112-A1.
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 PD 13-FEB-2003.
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 PF 21-JUN-2002; 2002US-00176756.
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Query Match_Similarity 100.0%; Score 1392; DB 6; Length 266; Best Local_Similarity 100.0%; Pred. No. 3.9e-149; Matches 266; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 12
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AC XX
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DT 09-AUG-2003 (first entry)

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PR	01-SEP-1998;	98US-0098014P.
PR	01-SEP-1998;	98US-009816P.
PR	01-SEP-1998;	98US-009823P.
PR	02-SEP-1998;	98US-009803P.
PR	02-SEP-1998;	98US-0098821P.
PR	02-SEP-1998;	98US-0098843P.
PR	09-SEP-1998;	98US-0098602P.
PR	10-SEP-1998;	98US-0099741P.
PR	10-SEP-1998;	98US-0099754P.
PR	10-SEP-1998;	98US-0099763P.
PR	10-SEP-1998;	98US-0099812P.
PR	15-SEP-1998;	98US-0100388P.
PR	16-SEP-1998;	98US-0100662P.
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PR	17-SEP-1998;	98US-0100930P.
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PR	18-SEP-1998;	98US-0101014P.
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PR	06-OCT-1998;	98US-010349P.
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Matches 266; Conservative 0;	Pred. No. 3-9e-149;	W matches 0; Indels 0; Gaps 0;
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Qy	PR 17-JUN-1998; 98US-0088876P.	
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Qy	PR 16-JUN-1998; 98US-0089440P.	
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 PR 17-AUG-1998; 98US-0095302P. PR 15-MAR-2000; 2000WO-US06219.
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 PR 17-AUG-1998; 98US-0096773P. PR 30-MAR-2000; 2000WO-US08439.
 PR 17-AUG-1998; 98US-0096791P. PR 15-MAY-2000; 2000WO-US01358.
 PR 17-AUG-1998; 98US-0096814P. PR 11-AUG-2000; 2000WO-US022031.
 PR 17-AUG-1998; 98US-0096814P. PR 23-AUG-2000; 2000WO-US023522.
 PR 17-AUG-1998; 98US-0096766P. PR 24-AUG-2000; 2000WO-US02328.
 PR 17-AUG-1998; 98US-0096768P. PR 07-SEP-2000; 2000US-US0230978P.

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 Db 1 MWFFQOQISLPSAIVTWSAIFIISITATLHHIDPALPTISDTVAPKCLFGAML 60
 Qy 61 NTAAVLCIATIVYRKQVHALSPENNTIKLNKAGLVGILSCLGLSIVANFQKTTLFAA 120
 Db 61 NTAAVLCIATIVYRKQVHALSPENNTIKLNKAGLVGILSCLGLSIVANFQKTTLFAA 120
 Qy 121 HVSGAVDTFGMSLSYMPTQTSYQMPKINGKQVFMIRLLIVWCGVSALSMLTCSSVL 180

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QY	181	HSGNFGSTDLEQKLHVNPFEDKGYVLMITTAEESMSFSFSEGEPEFLTYIDFQKTSLRVAN	240	98US-0088856P.
Db	181	HSGNFGSTDLEQKLHVNPFEDKGYVLMITTAEESMSFSFSEGEPEFLTYIDFQKTSLRVAN	240	98US-0088861P.
QY	241	LHGLTYDTPCPINNERTPLSRDI	266	98US-0088877P.
Db	241	LHGLTYDTPCPINNERTPLSRDI	266	98US-0089105P.
RESULT 14				98US-0089440P.
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ID	ABU59052	standard; protein; 266 AA.		98US-0089534P.
XX				98US-0089538P.
DT	28-APR-2003	(first entry)		98US-0089598P.
XX				98US-0089599P.
DE	Novel human secreted or transmembrane protein PRO180.			98US-0089600P.
XX				98US-0089633P.
KW	Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing; cardiac insufficiency disorder; cancer; tumour; immune response;			98US-0089634P.
KW	adrena cortical capillary endothelial growth; c-fos induction; vascular endothelial growth factor inhibition; VEGF inhibition;			98US-019330.
KW	endothelial cell growth inhibitor; T-lymphocyte stimulation; retinal neurons cell survival; rod photoreceptor cell survival;			98US-019437.
KW	retinal disorder; retinitis pigmentosa; kidney disorder; mammalian kidney mesangial cell proliferation; Berger disease; dermatitis; herpetiformis; Crohn's disease; chondrocyte proliferation; chondrocyte redifferentiation; sports injury; arthritis.			98US-021141.
XX				98US-025108.
KW	Human: PRO; hypertrophy of neonatal heart; angiogenesis; wound healing; cardiac insufficiency disorder; cancer; tumour; immune response;			99WO-US001016.
KW	adrena cortical capillary endothelial growth; c-fos induction; vascular endothelial growth factor inhibition; VEGF inhibition;			99WO-US005028.
KW	endothelial cell growth inhibitor; T-lymphocyte stimulation; retinal neurons cell survival; rod photoreceptor cell survival;			99WO-US012252.
KW	retinal disorder; retinitis pigmentosa; kidney disorder; mammalian kidney mesangial cell proliferation; Berger disease; dermatitis; herpetiformis; Crohn's disease; chondrocyte proliferation; chondrocyte redifferentiation; sports injury; arthritis.			99WO-US021090.
OS	Homo sapiens.			99WO-US021547.
XX				99WO-US02813.
PN	US2002132252-A1.			99WO-US028101.
XX				99WO-US02834.
PD	19-SEP-2002.			99WO-US030095.
XX				99WO-US030311.
PP	14-NOV-2001; 2001US-0090442.			2000WO-US00219.
XX				2000WO-US00376.
PR	16-JUN-1997; 97US-0049787P.			2000WO-US03365.
PR	17-OCT-1997; 97US-0062250P.			2000WO-US04341.
PR	05-NOV-1997; 97WO-US020069.			22-FEB-2000; 2000WO-US04414.
PR	12-NOV-1997; 97US-0065186P.			24-FEB-2000; 2000WO-US04914.
PR	13-NOV-1997; 97US-0065311P.			24-FEB-2000; 2000WO-US05004.
PR	24-NOV-1997; 97US-0066770P.			02-MAR-2000; 2000WO-US05841.
PR	25-FEB-1998; 98US-0075945P.			10-MAR-2000; 2000WO-US06319.
PR	20-MAR-1998; 98US-0078910P.			15-MAR-2000; 2000WO-US06684.
PR	28-APR-1998; 98US-0083322P.			20-MAR-2000; 2000WO-US07377.
PR	07-MAY-1998; 98US-0084600P.			30-MAR-2000; 2000WO-US08439.
PR	28-MAY-1998; 98US-0087106P.			15-MAY-2000; 2000WO-US01358.
PR	02-JUN-1998; 98US-0087607P.			17-MAY-2000; 2000WO-US01375.
PR	02-JUN-1998; 98US-0087609P.			22-MAY-2000; 2000WO-US014042.
PR	02-JUN-1998; 98US-0087759P.			30-MAY-2000; 2000WO-US014941.
PR	04-JUN-1998; 98US-0087822P.			02-JUN-2000; 2000WO-US015264.
PR	04-JUN-1998; 98US-0088024P.			28-FEB-2001; 2001WO-US00520.
PR	04-JUN-1998; 98US-0088025P.			01-JUN-2001; 2001WO-US01780.
PR	04-JUN-1998; 98US-0088028P.			20-JUN-2001; 2001WO-US019692.
PR	04-JUN-1998; 98US-0088029P.			29-JUN-2001; 2001WO-US021066.
PR	04-JUN-1998; 98US-0088030P.			09-JUL-2001; 2001WO-US021735.
PR	04-JUN-1998; 98US-0088032P.			28-AUG-2001; 2001US-00941992.
XX				(GETH) GENENTECH INC.
XX				XX
PR	05-JUN-1998; 98US-0088167P.			PR Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL, Godowski PJ;
PR	05-JUN-1998; 98US-0088208P.			PR Ferrara N, Fong S, Gerber H, Gerritsen ME, Godowski A, Grimaldi JC, Gurney AL, Klagsbald IJ, Napier MA, Pan J, Paoni NF;
PR	05-JUN-1998; 98US-0088210P.			PR Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PR	09-JUN-1998; 98US-0088655P.			PR Zhang Z;
PR	10-JUN-1998; 98US-0088734P.			XX WPI; 2003-247083/24.
PR	10-JUN-1998; 98US-0088735P.			DR N-PSDB; ABX80122.
PR	10-JUN-1998; 98US-0088810P.			XX Novel isolated PRO polypeptides e.g., PRO1068, PRO1069, PRO1346
PT	10-JUN-1998; 98US-0088824P.			PT

PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes are therapeutically useful for enhancing immune response and in cancer treatments.

XX Claim 12; Fig 15; 648pp; English.

CC The invention describes an isolated human PRO polypeptide. The PRO polypeptides are useful in detecting PRO polypeptides in a sample, in linking a bioactive molecule to a cell expressing a PRO polypeptide, and in modulating at least one biological activity of a cell expressing a PRO polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186 stimulate adrenal cortical capillary endothelial growth, and PRO516, PRO943, PRO828, PRO826, PRO1126, PRO1126, PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus useful for treating conditions or disorders where angiogenesis would be beneficial, e.g. wound healing and antagonist of this polypeptide are useful for treating cancerous tumours. PRO812 inhibits vascular endothelial growth factor (VEGF) stimulated proliferation of endothelial cells and is thus useful for inhibiting endothelial cell growth in mammals which would be beneficial in inhibiting tumour growth. PRO826, PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of stimulated T-lymphocytes and are therefore useful for enhancing immune response. PRO828, PRO826, PRO1068 or PRO132 enhance survival of retinal neurons cells (PRO132 is also enhances survival/proliferation of rod photoreceptor cells) and therefore are useful for treating retinal disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO819, PRO813 and PRO11066 induce proliferation of mammalian kidney mesangial cells, and therefore are useful for treating kidney disorders associated with decreased mesangial cell function such as Berger disease or other nephropathies associated with dermatitis, herpetiformis or Crohn's disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the proliferation and/or redifferentiation of chondrocytes in culture and are thus useful for treating sports injuries, and arthritis. This is the amino acid sequence of a novel human PRO protein.

XX Sequence 266 AA;

Query Match 100.0%; Score 1392; DB 6; Length 266;

Best Local Similarity 100.0%; Pred. No. 3.9e-149; Mismatches 0; Indels 0; Gaps 0;

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121 HVSGAVLTFGMGLSYMPQTILSYQMQPKIRGKQVFWNRLLIVTWCGVSAALMTCSSVL 180
Db 181 HSGNFGTGLDEQKQHWNPDKGTYLHMTTAENSMSRFFGGFLTYTRDFQKISLRVAN 240
181 HSGNFGTGLDEQKQHWNPDKGTYLHMTTAENSMSRFFGGFLTYTRDFQKISLRVAN 240
Qy 241 LHGTLTYDTPCPINNERTLRSRD1 266
241 LHGTLTYDTPCPINNERTLRSRD1 266
Db 241 LHGTLTYDTPCPINNERTLRSRD1 266
241 LHGTLTYDTPCPINNERTLRSRD1 266

RESULT 15

ABU8254

1D ABU82564 standard; protein: 266 AA.

XX ABU82564;

26-JUN-2003 (first entry)

DB Human secreted/transmembrane protein PRO180.

XX 98US-0090355P.

KW Human; PRO; secreted protein; transmembrane protein;
KW cardiac insufficiency disorders; angiogenesis; wound healing;
KW cancerous tumour; immune response; retinal disorder; sight loss;
KW retinitis pigmentosum; age-related macular degeneration; AMD;
KW Crohn's disorder; Berger disease; nephropathy; dermatitis; herpetiformis;
XX Homo sapiens.

XX OS US2003032023-A1.

XX PD 13-FEB-2003.

XX PP 14-NOV-2001; 2001US-00990711.

XX PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US20069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-006511P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0087891P.
PR 28-APR-1998; 98US-008332P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
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PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-008805P.
PR 04-JUN-1998; 98US-0088046P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
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PR 05-JUN-1998; 98US-0088167P.
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PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
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PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089410P.
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PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090232P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.

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PR	24-JUN-1998	98US-0090443P.
PR	24-JUN-1998	98US-0090444P.
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PR	24-JUN-1998	98US-0090447P.
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PR	24-JUN-1998	98US-0090557P.
PR	25-JUN-1998	98US-0090567P.
PR	25-JUN-1998	98US-0090633P.
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PR	25-JUN-1998	98US-0090634P.
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PR	25-JUN-1998	98US-0090636P.
PR	25-JUN-1998	98US-0090637P.
PR	26-JUN-1998	98US-0090872P.
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PR	01-JUL-1998	98US-0091160P.
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PR	02-JUL-1998	98US-0091748P.
PR	02-JUL-1998	98US-0091519P.
PR	02-JUL-1998	98US-0091626P.
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PR	02-JUL-1998	98US-0091633P.
PR	02-JUL-1998	98US-0091646P.
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PR	07-JUL-1998	98US-0091978P.
PR	07-JUL-1998	98US-0091982P.
PR	09-JUL-1998	98US-0091982P.
PR	10-JUL-1998	98US-0094742P.
PR	20-JUL-1998	98US-0093339P.
PR	30-JUL-1998	98US-0094651P.
PR	04-AUG-1998	98US-0095282P.
PR	04-AUG-1998	98US-0095285P.
PR	04-AUG-1998	98US-0095302P.
PR	04-AUG-1998	98US-0095318P.
PR	04-AUG-1998	98US-0095321P.
PR	04-AUG-1998	98US-0095325P.
PR	10-AUG-1998	98US-0095916P.
PR	10-AUG-1998	98US-0095929P.
PR	10-AUG-1998	98US-0096102P.
PR	11-AUG-1998	98US-0096143P.
PR	11-AUG-1998	98US-0096146P.
PR	12-AUG-1998	98US-0096329P.
PR	17-AUG-1998	98US-0096739P.
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PR	17-AUG-1998	98US-0096891P.
PR	17-AUG-1998	98US-0096894P.
PR	17-AUG-1998	98US-0096895P.
PR	17-AUG-1998	98US-0096779P.
PR	17-AUG-1998	98US-0096791P.
PR	17-AUG-1998	98US-0096949P.
PR	18-AUG-1998	98US-0096950P.
PR	18-AUG-1998	98US-0096951P.
PR	18-AUG-1998	98US-0097942P.
PR	18-AUG-1998	98US-0097945P.
PR	19-AUG-1998	98US-0097922P.
PR	17-AUG-1998	98US-0097941P.
PR	20-AUG-1998	98US-0097248P.
PR	24-AUG-1998	98US-0097661P.
PR	26-AUG-1998	98US-0097979P.
PR	26-AUG-1998	98US-0097861P.
PR	26-AUG-1998	98US-0098014P.

Query Match	Score	DB 6;	Length
Best Local Similarity	100.0%	Score 1392;	Length 266;
Pred. No. 3_9e-19;			
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Gaps 0;			
2Y			
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Db	1	MWWFOQGNSFLPSALVINTSAPIRFSYTAVTLHIDPALPYSIDTGTVAPEPKOLFQAML 60	
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Db	61	NIAAVLCLIAITIVRYKQVHALSPEENYIILKNAKGLVIGILSCLGLSIVANFQKTTLPA 120	
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Db	121	HVSGAVITLFGMSLIMYPTQITISYQMPKIKHGKQVPTIRLLVIVCGYSALSMLTCSV 180	
2Y	181	HSGNFGTIDLEQKLHNNFEDKGVLMITTAEWMSMSFSFGFLITYRDFOKISLRVEAN 240	
Db	181	HSGNFGTIDLEQKLHNNFEDKGVLMITTAEWMSMSFSFGFLITYRDFOKISLRVEAN 240	
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